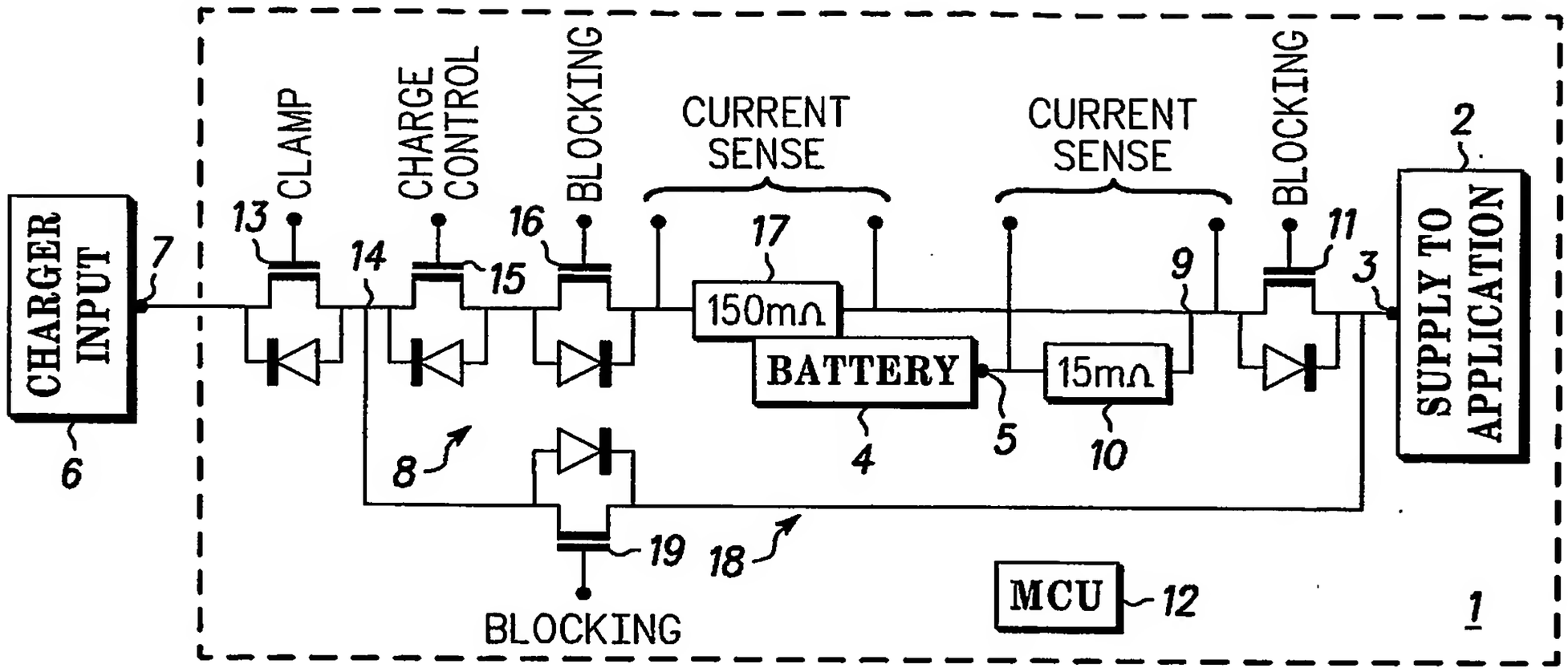
CHARGER INPUT
7
6
13
CLAMP
14
CHARGE CONTROL
15
16
BLOCKING
CURRENT SENSE
17
150mΩ
BATTERY
4
5
CURRENT SENSE
9
15mΩ
10
BLOCKING
11
3
2
SUPPLY TO APPLICATION
8
19
18
BLOCKING
MCU
12
1

FIG. 1

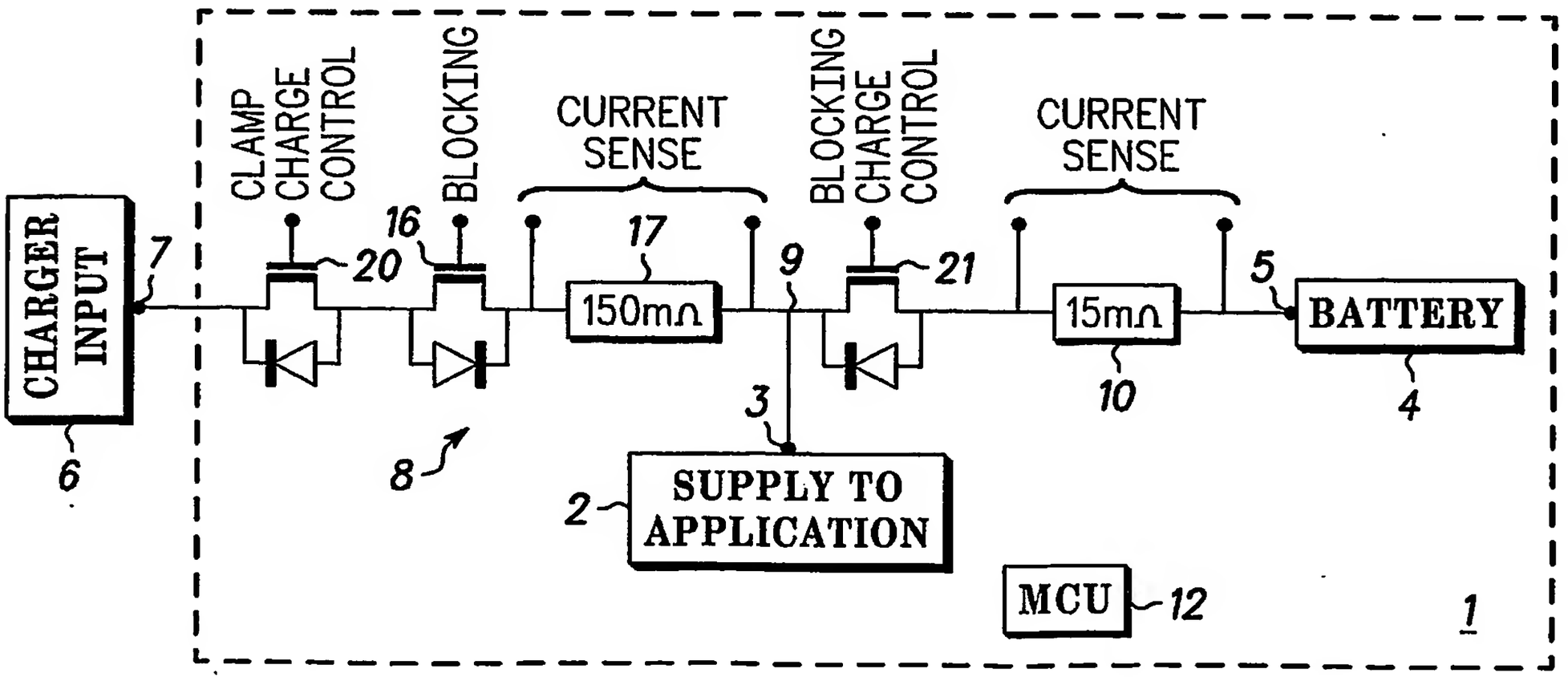
CHARGER INPUT
7
6
CLAMP
CHARGE CONTROL
20
16
BLOCKING
8
CURRENT SENSE
17
150mΩ
9
3
2
SUPPLY TO APPLICATION
BLOCKING
CHARGE CONTROL
21
CURRENT SENSE
15mΩ
10
5
BATTERY
4
MCU
12
1

FIG. 2

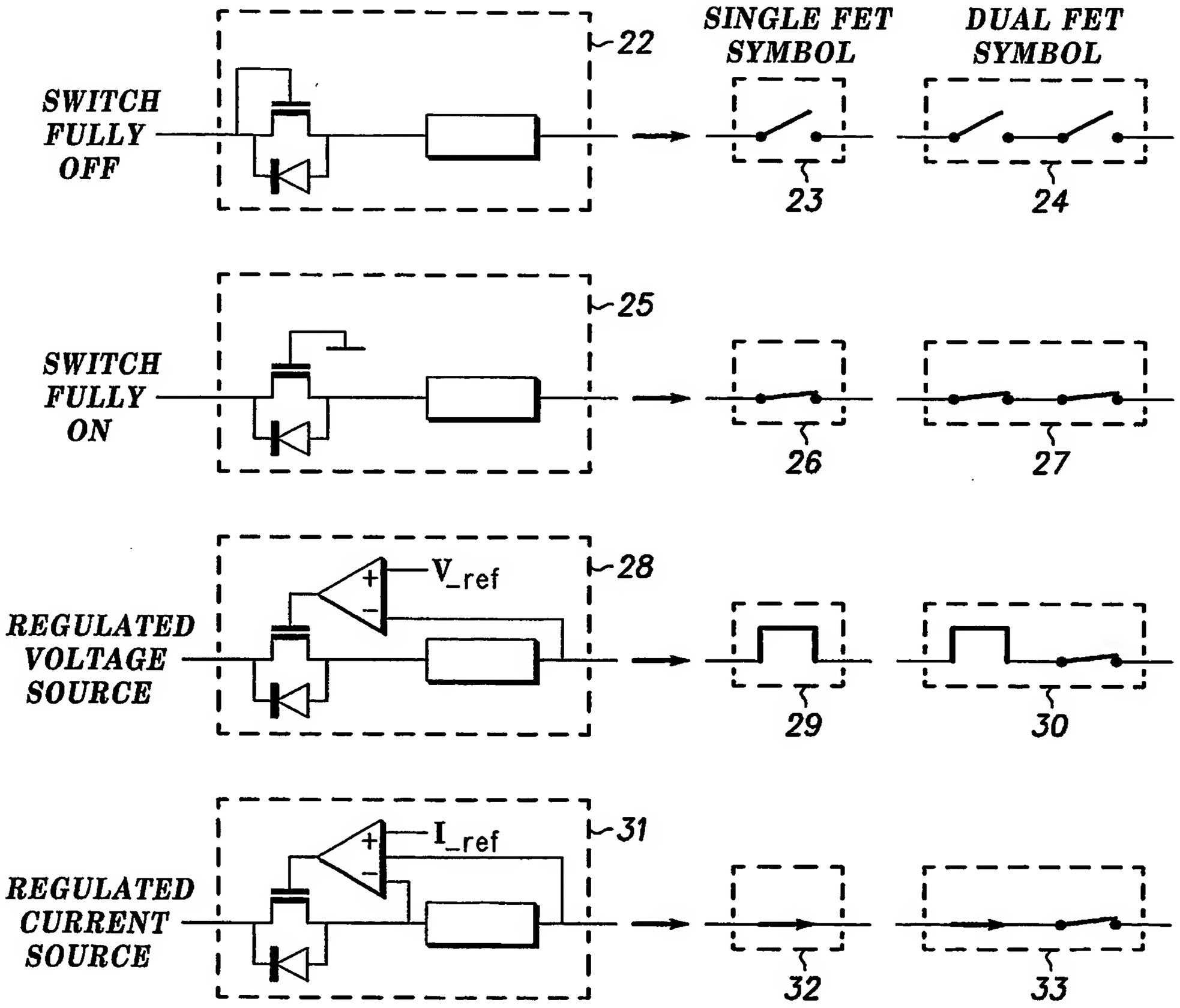
SWITCH FULLY OFF
22
SINGLE FET SYMBOL
DUAL FET SYMBOL
23
24
SWITCH FULLY ON
25
26
27
REGULATED VOLTAGE SOURCE
28
V_ref
29
30
REGULATED CURRENT SOURCE
31
I_ref
32
33

FIG. 3

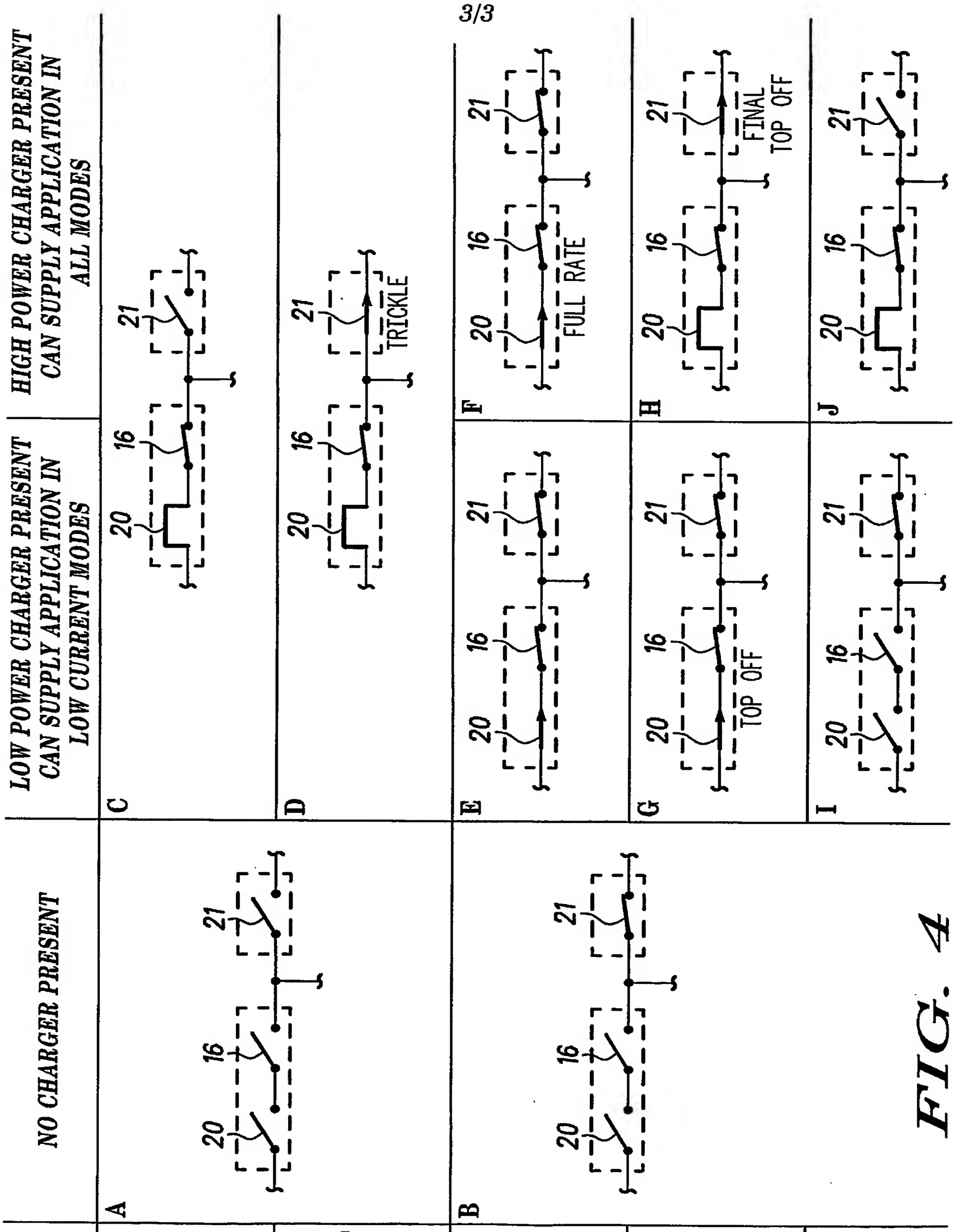
HIGH POWER CHARGER PRESENT
CAN SUPPLY APPLICATION IN
ALL MODES
LOW POWER CHARGER PRESENT
CAN SUPPLY APPLICATION IN
LOW CURRENT MODES
NO CHARGER PRESENT
NO BATTERY
DEPLETED BATTERY
LOW / NORMAL BATTERY
BATTERY TOP OFF
BATTERY FULL
A
B
C
D
E
F
G
H
I
J
20
16
21
TRICKLE
FULL RATE
TOP OFF
FINAL TOP OFF

FIG. 4